TEXAS DEPARTMENT OF INSURANCE

Engineering Services Program / MC 103-3A 333 Guadalupe Street P.O. Box 149104 Austin, Texas 78714-9104
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PRODUCT EVALUATION Effective Date: March 1, 2012 (Revised April 1, 2012)
WIN-1562 Reevaluation Date: **April 2014**

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Ultra Aluminum Clad Wood Pushout Casement Windows, Impact Resistant, manufactured by

Kolbe & Kolbe Millwork Co., Inc.
1323 South Eleventh Avenue
Wausau, WI 54401
(715) 842 - 5666

General Description:

System	Description	Label Rating	Design Pressure Rating	Hallmark Certification
1	Ultra Aluminum Clad Wood Pushout Casement Windows; (O)	CW-PG75 36 x 72-C C-C75 36 x 72 Missile Level D; Wind Zone 3	± 75	413-H-1145.00 413-H-1145.01 413-H-1145.02 413-H-1145.03
2	Ultra Aluminum Clad Wood Pushout Casement Windows; (O)	CW-PG85 36 x 72-C C-C85 36 x 72 Missile Level D; Wind Zone 4	± 75	413-H-1142.00 413-H-1142.01 413-H-1142.02 413-H-1142.03 413-H-1142.04 413-H-1142.05 413-H-1142.06 413-H-1142.07

Product Dimensions:

System	Overall Size	Sash Size
1	36" x 72"	34 1/16" x 70 1/16"
2	36" x 72"	34 1/16" x 70 1/16"

Product Identification (Certification Agency Label on Window):

System		
1	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Ultra Pushout Casement; IPD4
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886 / 1996; Missile Level D; Wind Zone 4
2	Certification Agency	WDMA
	Manufacturer's Name or Code Name	Kolbe & Kolbe Millwork Co., Inc.
	Product Name	Ultra Pushout Casement; IPD3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-05 AAMA/WDMA/CSA 101/I.S.2/A440-08 ASTM E 1886 / 1996; Missile Level D; Wind Zone 3

Impact Resistance:

Impact Resistant	Requirement
Yes	These products satisfy the Texas Department of Insurance's criteria for protection from windborne debris in the **Inland I** and **Seaward zone**. The assemblies may be installed at any height on the structure as long as the design pressure rating for the assemblies is not exceeded.

Installation:

Option 1: The wall framing shall be minimum Southern Yellow Pine dimension lumber. The window is secured to the wall framing using galvanized steel installation clips (1 5/8" x 10 1/16" x 0.04"). The installation clips are spaced 12 inches from each corner and 12 inches on center along the side jambs and 18 inches from each corner along the head and the sill. Each clip is attached to the window with two (2) No. 8 x 3/4" and to the wall framing with one (1) No. 8 x 1 3/4" screw. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing.

Option 2: The wall framing shall be minimum Southern Yellow Pine dimension lumber. The window is secured to the wall framing using minimum No. 10 x 2 1/2" screws. The fasteners are spaced 9 inches from each corner and 9 inches on center along the side jambs and 12 inches from each corner and 12 inches on center along the head and the sill. The fasteners shall be long enough to penetrate a minimum of 1 1/2 inches into the wall framing.

Note: The manufacturer's installation instructions shall be available on the job site during installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.